CHAPTER 4: CHART

4.0 CHART

Options available on the CHART pull-down menu to control the tactical display: Map Loader, Eject CDROM, Reset Map Server, Chart Insets, and Restart Chart.

SUMMARY OF COMMON OPERATIONS—CHART

The following buttons are found on CHART windows. A brief explanation of their common meaning is provided here; specific information is described within each section.

CANCEL—discards any changes made to data and returns to the previous function.

EXIT—exits (leaves) the option in use.

HELP—provides a general description of the option, function, or window.

OK—accepts any changes made to data and returns to the previous function.

4.1 MAP LOADER

Use the MAP LOADER option to copy and/or load maps from a CD to your system. Loading maps makes them available on the JMTK MAP MANAGER window for drawing on the tactical display.

- *Before* selecting the MAP LOADER option, insert the CD containing the map (or maps) into the CD drive.

- An error message will *not* appear if the CD is not inserted first.

The Map Loader is used to copy/load maps onto the local machine. Once maps have been copied/loaded onto the system and prepared for drawing, you must use the options available on the Map Options pull-down on the System Chart to actually draw the maps on the tactical display. (For more information on the Map Options pull-down menu, see Chapter 9 of this guide.)

To access this window: CHART menu : MAP LOADER option : JMTK MAP LOADER window (Figure 4.1-1).

Figure 4.1-1 JMTK Map Loader

The JMTK MAP LOADER window displays the following three columns of information:

TYPE
Shows the type of map product (e.g., DNC, ADRG, RPF)

STATUS
> Shows the status of the map product (e.g., READY TO DRAW, RAW FORMAT, RAW FORMAT CD)

LOCATION
> Shows the location of the particular map product.

A map can be in any of the following three states, as reflected in the STATUS column:

READY TO DRAW
> The map can be drawn immediately.

RAW FORMAT
> The map is loaded on a hard drive but is not yet ready to be drawn.

RAW FORMAT CD
> The map is stored on the CD and is not ready to be drawn immediately.

JMTK Map Loader Window Buttons

The functions presented on the four buttons change in accordance with the status of the map, as reflected in the STATUS column. Initially, the four buttons appear "grayed out". No button functions are selectable until a map is selected from the listing in the scroll box. Clicking on one of the map products in the TYPE column allows access to one or more of the following four buttons:

UNPREPARE
> Erases certain files created when the map was originally prepared for drawing. If you select UNPREPARE, the system-created files are purged from the system and the following message appears: "Map can no longer be drawn by chart."

COPY TO DISK
> Copies a map from a CD to the hard drive. If you choose COPY TO DISK, the POSSIBLE DESTINATIONS_POP-UP Menu window appears, displaying the map SIZE (in KB) and prompting you for a DESTINATION (see Figure 4.1-6).

PREPARE FOR DRAWING
> Prepares a map to be drawn. This option creates a system-readable file version of the map. If you choose PREPARE FOR DRAWING, the system prepares a useable format of the map which can be loaded using the features presented under the MAP OPTIONS pull-down menu (See Chapter 9 for further details).

ERASE FROM DISK.
Erases the selected map file(s) from the hard drive. Once erased, the map files cannot be recovered and the map must be reloaded from the original source (CD or over network) and prepared for drawing once again.

How to use the JMTK MAP LOADER option:

1. Insert the CD into the CD drive of any workstation on the network *before* selecting the MAP LOADER option.

2. Select a map to load.

    a. Highlight a map from the list of available maps displayed in the scroll list.

    b. Verify the STATUS of the map you have selected and proceed in accordance with the appropriate STATUS section listed below (see Sections 4.1.1 through 4.1.3).

3. Wait for the system to prepare/process the selected map file.

4. Once the map preparation process is complete and the map is ready to draw, click EXIT to close the JMTK MAP LOADER window.

4.1.1   READY TO DRAW STATUS

This map requires no further preparation to be drawn in GCCS and can be drawn immediately.

4.1.2   RAW FORMAT STATUS

The map is loaded on a hard drive but is not yet ready to be drawn. The two functions available are PREPARE FOR DRAWING and ERASE FROM DISK.

To PREPARE FOR DRAWING:

1. In the JMTK Map Loader window, click PREPARE FOR DRAWING. The system displays a window that queries the way you want the map to be prepared.

Figure 4.1-2. Load Map Globally Query

2. Click YES in the window if the machine on which the map is being prepared is the Map Server. This allows the map to be drawn on any machine on the network.

—Or—

Click NO in the window if the machine on which the map is being prepared is *not* the Map Server. This restricts the display of the map to the local machine.

3. (ADRG MAPS ONLY) If you *are not* loading an (ADRG) map, please proceed to step 4. If you *are* loading an (ADRG) map, see Section 4.1.2.1 to complete the map preparation.

4. Wait while the system processes the map file and prepares it for display as a system map.

To ERASE FROM DISK:

1. In the JMTK MAP LOADER window, click ERASE FROM DISK.

2. The selected map is erased from the hard drive and can no longer be drawn on the system.

4.1.2.1   ADRG Map Preparation

If an ADRG map is being loaded from a CD, once the RAW FORMAT map has been selected in the JMTK MAP LOADER window and the query about loading globally has been answered, a map processing window similar to Figure 4.1-3 appears.

Figure 4.1-3. (ADRG) MAP PROCESSOR Window

1. In the (ADRG) MAP PROCESSOR window, click on the appropriate image file in the list of available files.

2. Complete the map preparation by clicking PROCESS or OVERVIEW.

3. To exit the (ADRG) MAP PROCESSOR window without processing any image files, click EXIT.

PROCESS
   To process the image file and prepare it for drawing as a map on the system.

   a. Select PROCESS in the (ADRG) MAP PROCESSING window. The IMAGE STATUS window appears (Figure 4.1-4), displaying a progress meter, the ELAPSED TIME, and the TIME REMAINING in the image processing procedure.
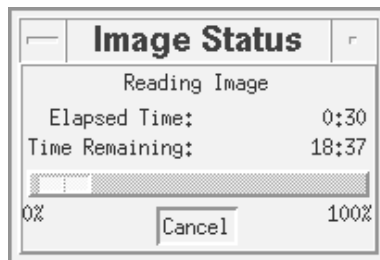

Figure 4.1-4. IMAGE STATUS Window

   b. Wait the designated amount of time for the system to complete the image file processing, or click CANCEL to cancel the process.

OVERVIEW
   To view an overview of an image file.

   a. Select the image file from the list presented in the (ADRG) MAP PROCESSOR window.

b. Click OVERVIEW. The OVERVIEW window for the selected image file appears (Figure 4.1-5), displaying a preview of what the image file looks like when processed and displayed as a map.
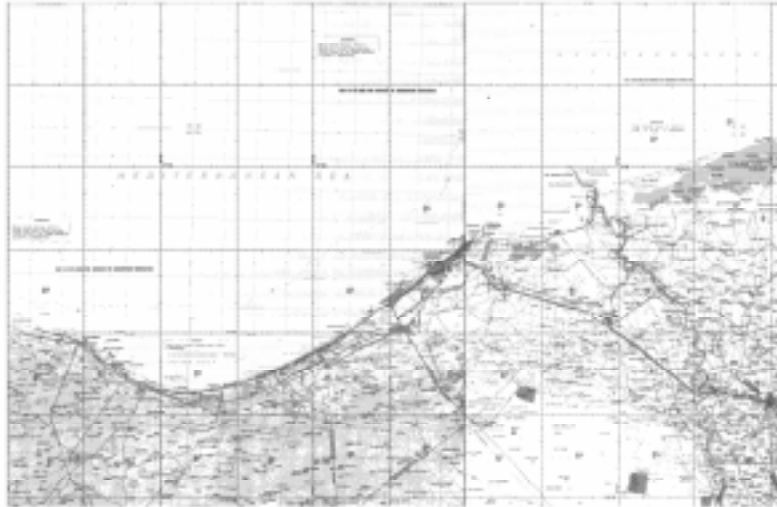

Figure 4.1-5. OVERVIEW Window

c. To exit the OVERVIEW, click CANCEL.

4.1.3   RAW FORMAT CD STATUS

The map is stored on the CD and is not ready to be drawn immediately. The two functions available are COPY TO DISK or PREPARE FOR DRAWING.

To COPY TO DISK:

1. On the JMTK Map Loader window, click COPY TO DISK. The POSSIBLE DESTINATIONS_POPUP window appears (Figure 4.1-6).
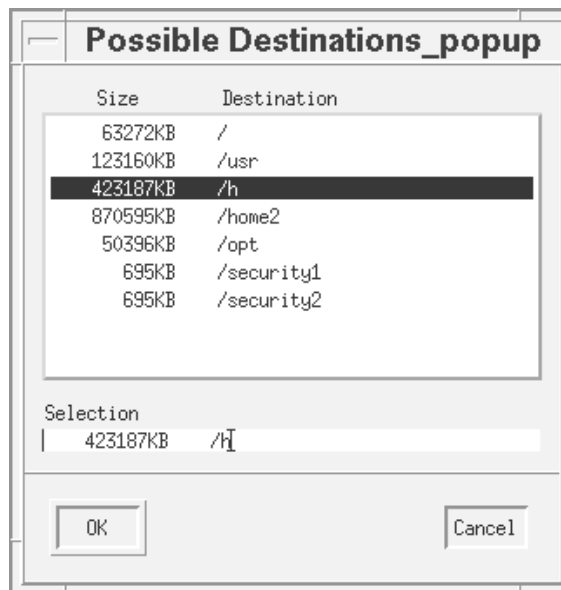
Figure 4.1-6 Possible Destinations_popup Window

2. The POSSIBLE DESTINATIONS_POPUP window displays the file systems currently available on this machine. The copied map may be saved to any of these directories, but consideration should be given to the fact that the map is quite large in relation to the amount of available space left in most directories.

   The size of an available directory is determined by reading the SIZE (given in KB) column in the Possible Destinations_popup window.

   As a general rule, maps should be stored in either the /h or /home2 directory. If the machine is the Map Server, the disk array should be used to store all maps.

3. Select the destination directory from the list in the POSSIBLE DESTINATIONS_POPUP window and click OK.

4. The selected map is copied to the destination directory.

4.2 EJECT CDROM

Use the EJECT CDROM option to eject a CD after it has been used to load maps on a machine.

How to use the EJECT CDROM option:

1. On the workstation where the CD is inserted, select EJECT CDROM from the CHART Menu.

2. Wait a few moments. The CD will automatically be unmounted and ejected from the drive.

4.3 RESET MAP SERVER

The RESET MAP SERVER option allows the Map Server workstation to be reset in the case of a lockup. This option refreshes the screen and returns it to an operational status.

4.4 CHART INSETS

The CHART INSET 1, CHART INSET 2, and CHART INSET 3 options can place 1–3 additional map windows "on top" of the SYSTEM CHART (JMCIS SYSTEM) window. Use this feature to view an enlarged subsection of the current map, or to view an area of the world that is not visible.

The options may be used in any order. For example, CHART INSET 3 may be chosen before CHART INSET 1. (CHART INSET 1 is used as an example; however, all information applies similarly to CHART INSET 2 and CHART INSET 3.)

CHART INSET 1 opens an INSET1 window containing a menu bar of options to control the map shown in the window.

When first opened, this window is approximately one-quarter the size of the JMCIS SYSTEM window. To adjust the size of the window, as shown in Figure 4.4-1:

1. Move the trackball pointer to an edge or a corner of the window. A small symbol and arrow appear indicating the direction to resize the window.

Figure 4.4-1 Chart Resizing Symbols

2. Hold down the left trackball button and move the trackball to resize the window.

4.4.1 CHART INSET MENUS

Menus in each INSET window are a subgroup of the menus in the JMCIS SYSTEM window. There are five pull-down menus—SYSTEM, MAP OPTIONS, PLOT CONTROL, TRACKS AND SUPPORT TDAs.

- For details on how to use pull-down menu options, refer to their individual descriptions in this User's Guide.

- Options control *only* the map displayed in the INSET window and have no effect on the JMCIS SYSTEM window, nor any other INSET windows.

4.4.2   CLOSE A CHART INSET WINDOW

Choose EXIT from the SYSTEM pull-down menu. The INSET window closes, but the JMCIS SYSTEM window and INSET windows remain open.

4.5   RESTART CHART

Use the RESTART CHART option *only* if problems are experienced with the tactical display and there is a need to refresh it.

- All map windows close (JMCIS SYSTEM, INSET1, INSET2, and INSET3).

- Only the JMCIS SYSTEM window reopens.

Chart

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